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(54) Title: WATER-SOLUBLE POLYMERS FOR THE REDUCTION OF DIETARY PHOSPHATE OR OXALATE ABSORPTION

(57) Abstract

The present invention is directed to a water-soluble polyether glycol polymer having: a structural backbone of carbon atoms and oxygen atoms where there are at least two consecutive carbon atoms present between each oxygen atom; a moiety on the backbone of the polymer or a functionalized derivative on the polymer, that is cationic at physiological pH and permits complexation with phosphate or oxalate; and an average molecular weight from about 5,000 to about 750,000 Daltons. These polymers are formulated for oral dosage to reduce the phosphonate or oxalate levels in an animal. The process of preparing these polymers and the method of reducing gastrointestinal absorption of phosphate and oxalate are included.